Product Number 8800/8810
Owner's and Service Manual
Strength Systems
Part Number 8800-999-4 E

www.cybexinternational.com

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1 - Safety

Safety

Read the Owner's Manual carefully before assembling, servicing or using the equipment.

It is the responsibility of the facility owner and/or owner of the equipment to instruct users on proper operation of the equipment and review all labels.

WARNING: Serious injury could occur if these safety precautions are not observed:

User Safety Precautions

- Obtain a medical exam prior to beginning an exercise program.
- Read and understand warning labels and user manual prior to exercising. Obtain instruction prior to use.
- Keep body and clothing free from and clear of all moving parts.
- Inspect machine prior to use. **DO NOT** use if it appears damaged or inoperable.
- **DO NOT** attempt to fix a broken or jammed machine. Notify floor staff.
- Use the machine only for the intended use. **DO NOT** modify the machine.
- Be sure that the weight pin is completely inserted. Use only the pin provided by the manufacturer. If unsure seek assistance.
- Never pin the weights in an elevated position. **DO NOT** use the machine if found in this condition. See assistance from floor staff.
- Children must not be allowed near these machines. Teenagers must be supervised.
- **DO NOT** use if guards are missing or damaged.
- **DO NOT** lls or other incremental weights, except those provided by the manufacturer.
- Inspect all cables and belts and connections prior to use. **DO NOT** use if any components are worn, frayed or damaged.
- **DO NOT** remove any labeling from equipment. Replace any damaged labels.
- Stop exercising if you feel faint, dizzy or experience pain at any time while exercising and consult your physician.

Facility Safety Precautions

- Read the Owner's Manual carefully before assembling, servicing or using the equipment.
- Securely anchor each machine to the floor using the anchor holes provided in each machine.

NOTE: *Cybex is not responsible for the actual anchoring of equipment. Consult with a professional contractor.*

NOTE: *Use fasteners having a minimum of 500 lbs. tensile capacity (3/8" grade 2 bolts or better).*

NOTE: *If legs/frame does not contact surface, DO NOT pull down with anchors. Shim any leg or frame not in contact with surface using flat washers.*

- Make sure that each machine is set up and operated on a solid level surface. **Do not install equipment on an uneven surface.**
- Make sure that all users are properly trained on how to use the equipment.
- Make sure there is enough room for safe access and operation of the equipment.
- Perform regular maintenance checks on the equipment. Also pay close attention to all areas most susceptible to wear, including (but not limited to) cables, pulleys, belts and grips.
- Immediately replace worn or damaged components. If unable to immediately replace worn or damaged components then remove from service until the repair is made.
- Use only Cybex supplied components to maintain/repair the equipment.
- Keep a repair log of all maintenance activities.
- Inspect all cables and belts and connections prior to use. **DO NOT** use if any components are worn, frayed or damaged.

NOTE: *It is the sole responsibility of the user/owner or facility operator to ensure that regular maintenance is performed.*

Safety Guidelines And Practices

Cybex recommends that all fitness equipment be used in a supervised area. It is recommended that the equipment be located in an access controlled area. Control is the responsibility of the owner. The extent of control is at the discretion of the owner.

It is the responsibility of the purchaser/user of Cybex products to read and understand the owner's manual, and warning labels; as well as instruct all individuals, whether end users or supervising personnel, on proper usage of the equipment.

PROPER USAGE:

Use machine only as described in the manual. Failing to follow proper instructions may result in injury.

Do Not Lean Against or Pull On the framework, weight stack, or any component, whether machine is at rest or in use. Inappropriate or improper use may result in injury to users or third parties (bystanders).

Do not use machine if it is not located on a solid level surface or is improperly installed.

Provide an adequate safety perimeter between the machine, walls and other equipment to ensure that the facility has the proper clearance for usage and training.

SECURING EQUIPMENT:

The machine has holes in the feet, which allow for ease in anchoring to the floor. Cybex strongly recommends that, to eliminate rocking, tipping or falling over due to incorrect usage and misuse, equipment be secured to a solid, level surface.

1. The solid, level surface should not deviate more than 1/8" over a 10' distance or as defined and required by local building and architectural codes.

2. Anchoring of equipment must be completed by a qualified licensed contractor.

3. Anchoring holes are provided on the feet of the frame. All anchoring locations must be used when anchoring the equipment to the floor.
4. Due to the wide variation of flooring on which machines may be anchored or installed, verify anchoring method and anchoring fasteners with a qualified and licensed contractor.
5. A minimum pull out force of 220 lbs/100 kgs is required for each anchor position..
6. Do not use machine until it is properly anchored.

MAINTENANCE:

Preventative maintenance allows proper equipment operation and reduces the risk of injury. Perform the maintenance requirements as specified in the manual.

STANDARD COMPLIANCE:

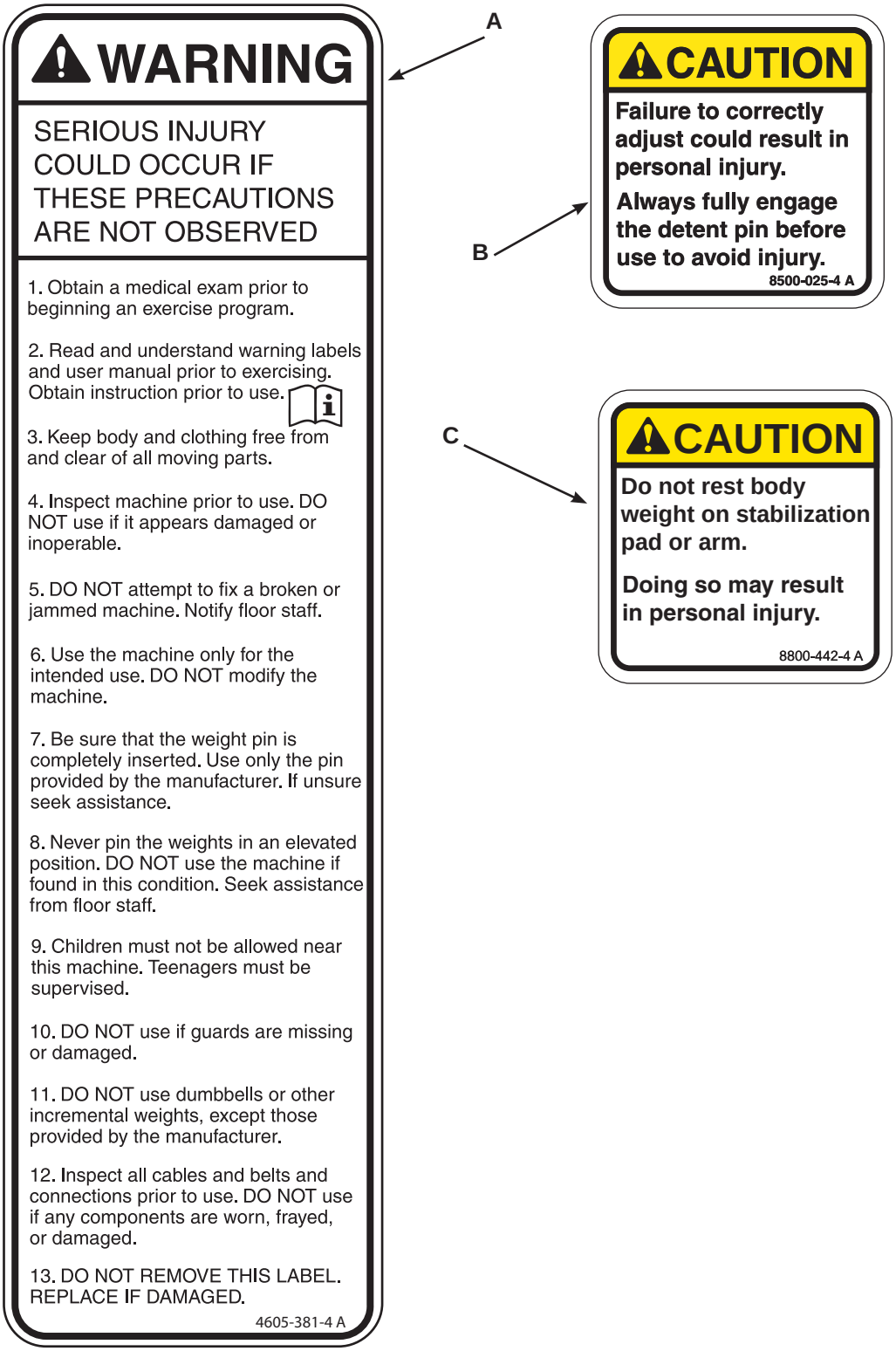
Cybex products meet or exceed applicable ASTM and EN Standards.

Warning/Caution Decals

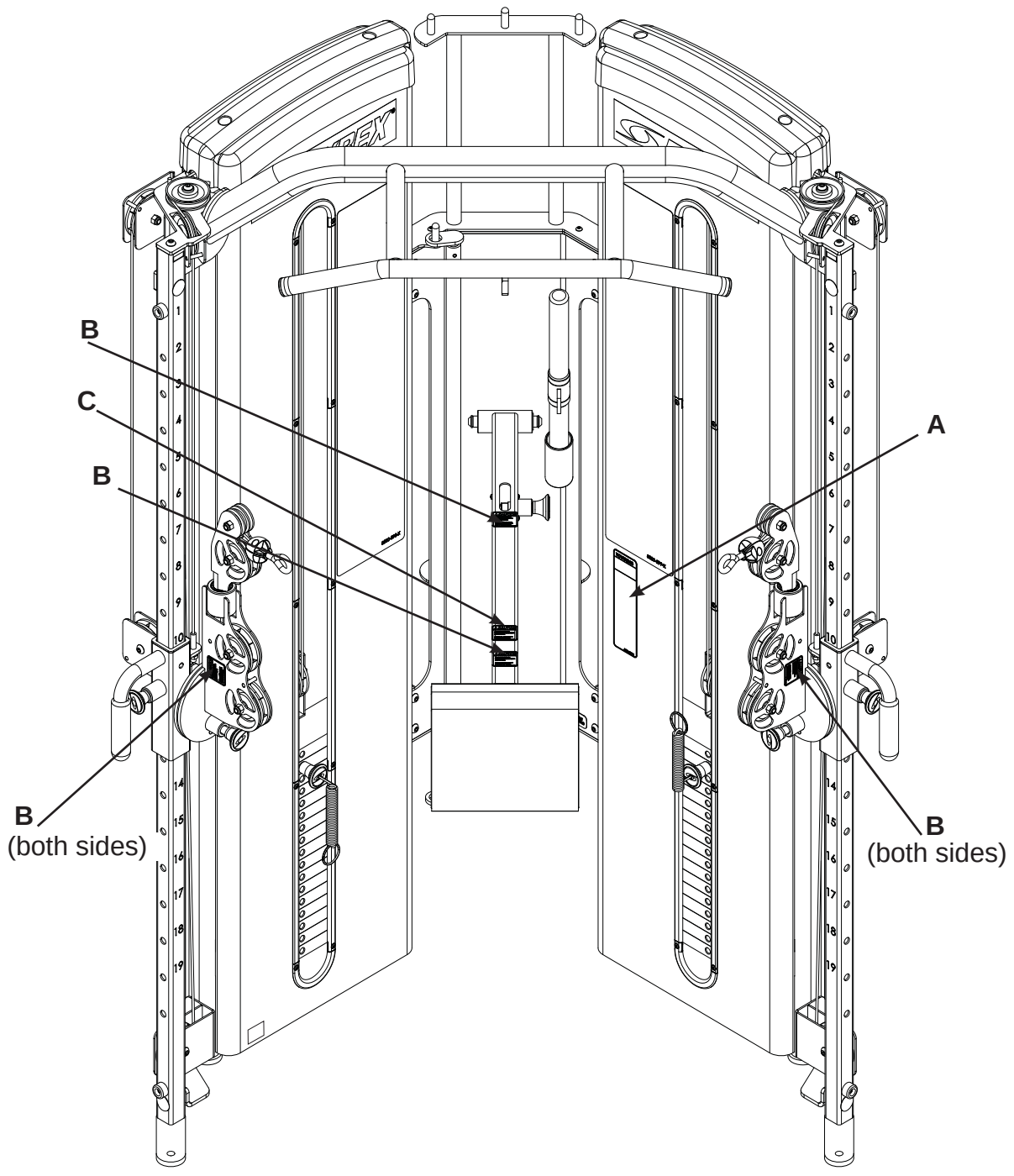
Warning decals indicate a potentially hazardous situation, which, if not avoided, could result in death or serious injury.

Caution decals indicate a potentially hazardous situation, which, if not avoided, could result in minor or moderate injury.

The warning and caution decals are shown on the following page. The diagrams following the decals show where each decal is located.


WARNING
SERIOUS INJURY COULD OCCUR IF THESE PRECAUTIONS ARE NOT OBSERVED
1. Obtain a medical exam prior to beginning an exercise program.
2. Read and understand warning labels and user manual prior to exercising. Obtain instruction prior to use.
3. Keep body and clothing free from and clear of all moving parts.
4. Inspect machine prior to use. DO NOT use if it appears damaged or inoperable.
5. DO NOT attempt to fix a broken or jammed machine. Notify floor staff.
6. Use the machine only for the intended use. DO NOT modify the machine.
7. Be sure that the weight pin is completely inserted. Use only the pin provided by the manufacturer. If unsure seek assistance.
8. Never pin the weights in an elevated position. DO NOT use the machine if found in this condition. Seek assistance from floor staff.
9. Children must not be allowed near this machine. Teenagers must be supervised.
10. DO NOT use if guards are missing or damaged.
11. DO NOT use dumbbells or other incremental weights, except those provided by the manufacturer.
12. Inspect all cables and belts and connections prior to use. DO NOT use if any components are worn, frayed, or damaged.
13. DO NOT REMOVE THIS LABEL. REPLACE IF DAMAGED.
4605-381-4 A
A
B
CAUTION
Failure to correctly adjust could result in personal injury.
Always fully engage the detent pin before use to avoid injury.
8500-025-4 A
C
CAUTION
Do not rest body weight on stabilization pad or arm.
Doing so may result in personal injury.
8800-442-4 A

8800/8810



Description	**Part No**.
A. Warning Label	4605-381-4
B. Caution Decal	8500-025-4
C. Caution Decal	8800-442-4

Regular Maintenance Activities

Preventative maintenance activities must be performed to maintain normal operation of your equipment. Keeping a log sheet of all maintenance actions will assist you in staying current with all preventative maintenance activities. The preventative maintenance actions are described in detail in Chapter 5. Briefly, they include:

Daily

1. Clean upholstery.

Weekly

1. Inspect all nuts and bolts for looseness. Tighten as required.

2. Inspect all cables and belts for damage or wear (see Chapter 5). **If a cable or belt is worn or damaged, immediately discontinue use until cable or belt has been replaced.**

3. Check for worn handles, worn snap links, and worn warning labeling. Replace all worn parts immediately.

4. Inspect for loose or worn grips. Replace all loose or worn grips immediately.

5 Inspect weight stacks for proper alignment and operation. Correct all improper alignment and operation issues immediately.

6. Lubricate guide rods using automotive engine oil only.

Yearly

1. Replace all cables and belts at least annually.

Using Proper Form

Before working out, read and understand the exercises located on the placard and in Chapter 2.

2 - Exercise

Intended Use

The intended use of this equipment is to aid or improve general physical fitness and exercise. For Commercial use.

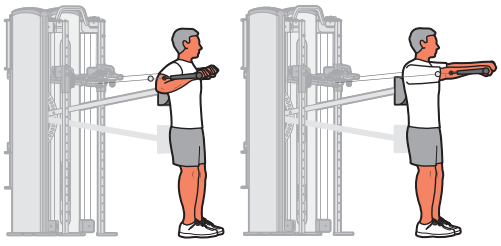
Instructions

Read and understand all instructions and warnings prior to using this machine. See Chapter 1, Safety, in the Owner's Manual or consult with floor staff.

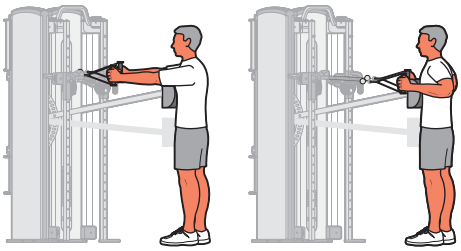
- Select appropriate resistance.
- Adjust handles for proper pulley height.
- Rotate pulleys to desired angle.
- Adjust stabilization arm to desired angle.
- Adjust stabilization pad to desired position.
- Ensure all adjustment knobs are locked into place

NOTE: *Position stabilization arm and pad all the way in and all the way down when not in use.*

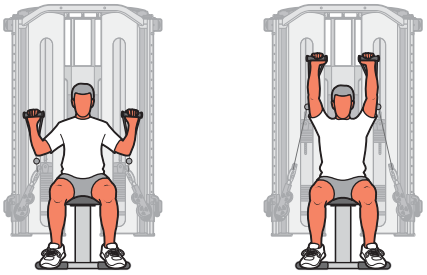
CHEST PRESS



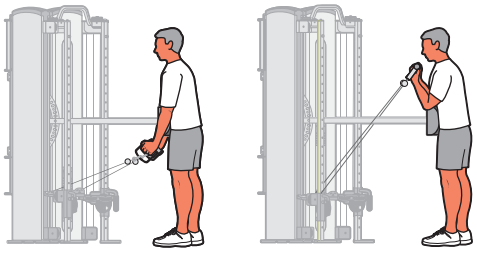
ROW



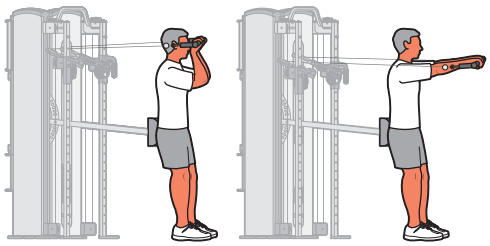
SEATED PRESS



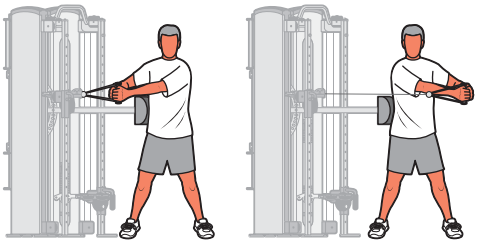
ARM CURL



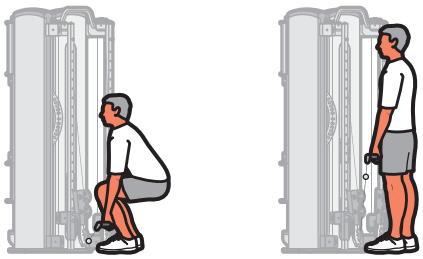
ARM EXTENSION



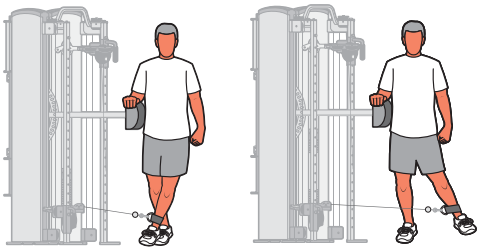
TRUNK ROTATION



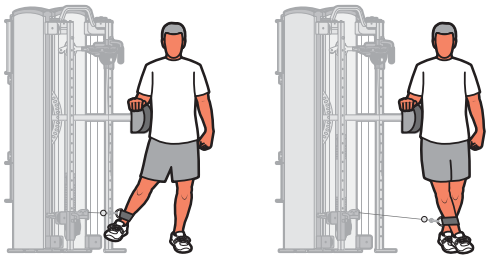
SQUAT



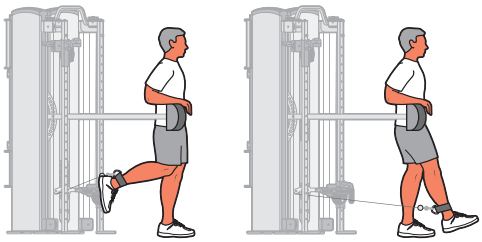
HIP ABDUCTION



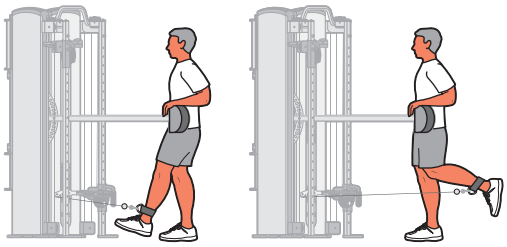
HIP ADDUCTION



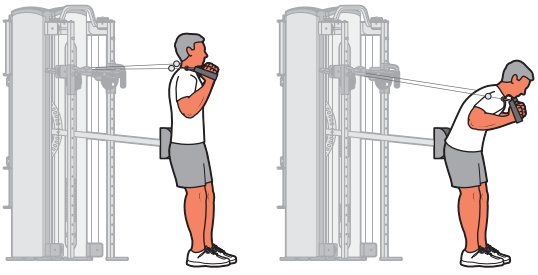
HIP FLEXION-KNEE EXTENSION



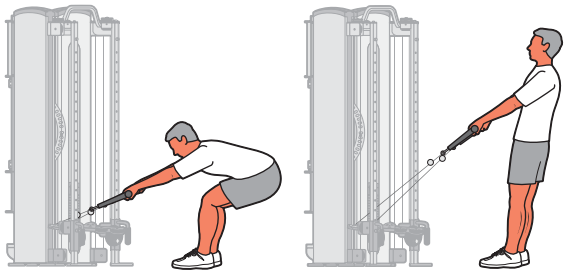
HIP EXTENSION-KNEE FLEXION



TRUNK FLEXION



TRUNK EXTENSION



3 - Customer Service

Contacting Service

Hours of phone service are Monday through Friday from 8:30 to 6:00 p.m. Eastern Standard Time.

For Cybex customers living in the USA, contact Cybex Customer Service at **888-462-9239**.

For Cybex customers living outside the USA, contact Cybex Customer Service at **508-533-4300** or fax **508-533-5183**.

Find information on the web at www.cybexintl.com or by e-mail at techhelp@cybexintl.com.

Ordering Parts

Fax orders to **508-533-5183**. To speak with a customer service representative, call **888-462-9239** (for customers living within the USA) or **508-533-4300** (for customers outside the USA). You may also contact us through e-mail at techhelp@cybexintl.com

Having the following information ready when calling will assist our Cybex representatives in serving you.

- **Unit Serial Number**
- **Product Name**

The unit serial number and product name can be found on the serial number decal. See Chapter 6 for exact location of serial number decal.

- **Part Description**
- **Part Number**

Part descriptions and part numbers are located in Chapter 6 of this manual.

- **Shipping Address**
- **Contact Name**

In addition to your shipping address and contact name, your account number is helpful but not required.

Return Material Authorization (RMA)

The Return Material Authorization (RMA) system outlines the procedures to follow when returning material for placement, repair or credit. The system assures that returned materials are properly handled and analyzed. Follow the following procedures carefully.

Contact your authorized Cybex dealer on all warranty-related matters. Your local Cybex dealer will request a RMA from Cybex, if applicable. Under no circumstances will defective parts or equipment be accepted by Cybex without proper RMA and an Automated Return Service (ARS) label.

1. Call the Customer Service Hot Line listed above for the return of any item that is defective.

2. Provide the technician with a detailed description of the problem you are having or the defect in the item you wish to return.

3. Provide the model and serial number of your Cybex equipment.

4. At Cybex's discretion, the technician may request that you return the problem part(s) to Cybex for evaluation and repair or replacement. The technician will assign you a RMA number and will send you an ARS label. The ARS label and the RMA numbers must be clearly displayed on the outside of the package that contains the item(s) to be returned. Include the description of the problem, the serial number of the Cybex equipment and the name and address of the owner in the package along with the part(s).

5. Forward the package through UPS to Cybex.
Attn: Customer Service Department
Cybex International, Inc.
1975 24th Ave SW
Owatonna, MN 55060

NOTE: *Merchandise returned without an RMA number on the outside of the package or shipments sent COD will not be accepted by the Cybex receiving department.*

Damaged Parts

Materials damaged in shipment should not be returned for credit. Shipping damages are the responsibility of the carrier (UPS, Federal Express, trucking companies, etc.)

Apparent Damage - Upon receipt of your shipment, check all items carefully. Any damage seen with a visual check must be noted on the freight bill and signed by the carrier's agent. Failure to do so will result in the carriers refusal to honor your damage claim. The carrier will provide you with the required forms for filing such claims.

Concealed Damage - Damage not seen with a visual check upon receipt of a shipment but notices later must be reported to the carrier as soon as possible. Upon discovery of the damage, a written or phone request to the carrier asking them to perform an inspection of the materials must be made within ten days of the delivery date. Keep all shipping containers and packing materials as they will be needed in the inspection process. The carrier will provide you with an inspection report and the necessary forms for filing a concealed damage claim. Concealed damage claim is the carrier's responsibility.

4 - Assembly

Tools Required

- 7/32" Allen wrench
- 3/4" Socket
- Hammer
- 3/16" Pin punch
- 9/16" Wrench
- Loctite #242

NOTE: *Two people will be required to perform this procedure.*

NOTE: *It is the responsibility of the facility owner/owner of the equipment to ensure that there is appropriate clearance around each machine to allow for safe use and passage.*

NOTE: *Refer to Chapter 6 for reference diagrams.*

1. Read and understand all instructions thoroughly before assembling this product.

2. Verify the appropriate configuration was received:

A. Correct color of machine.

B. Proper weight stack and weight stack decals.

C. Appropriate owner's manual.

D. Warranty sheet.

E. Verify which machine was received 8800 (Chin-Up Bar Installed) or 8810 (With Chin-Up Bar).

3. Move to desired location.

NOTE: *If machine is an 8800 and does not fit through doorway proceed to step 10.*

NOTE: *If machine is an 8810 and does not fit through doorway proceed to step 10J- 10P. Proceed to step 13 to install Chin-Up Bar.*

NOTE: *If machine is an 8810 install Chin-Up Bar. Proceed to step 13 to install Chin-Up Bar.*

4. Remove shipping pallet.

WARNING: Use extreme caution when removing shipping pallet. Failure to do so could result in injury.

A. With an assistant, using a 9/16" wrench, carefully remove each lag bolt securing frame to pallet.

B. Carefully place frame on floor.

5. Securely anchor machine to the floor.

A. Securely anchor machine to the floor using the anchor holes provided in each machine.

NOTE: *Cybex is not responsible for the actual anchoring of equipment. Consult with a professional contractor.*

NOTE: *Use fasteners having a minimum of 500 lbs tensil capacity (3/8" grade 2 bolts or better).*

NOTE: *If legs/frame does not contact surface,* ***DO NOT*** *pull down with anchors. Shim any leg or frame not in contact with surface using flat washers.*

6. Install weight plates.

A. Using a 7/32" Allen wrench, remove the two Button Head Socket Cap Screws (BHSCS) securing the top cap to the frame. See Figure 1.

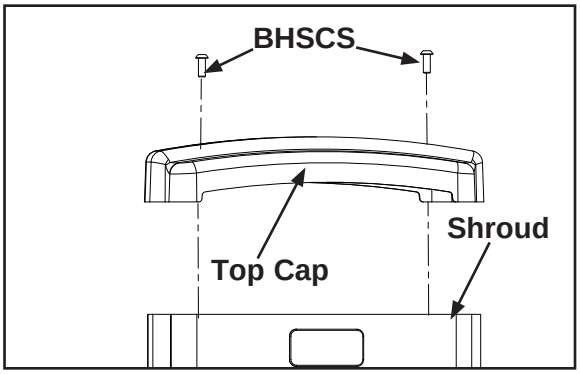


Figure 1

B. Remove top cap and BHSCS and set aside.

C. Carefully lift shroud up and out of machine.

D. Slide spring loaded guide rod cap down guide rod until cap is clear of frame. ***NOTE:*** *Guide rod cap is spring loaded.*

E. Slowly release grasp of guide rod cap. See Figure 2. ***NOTE:*** *Guide rod cap contains a compression spring that will fly if grasp is not released slowly.*

F. Remove guide rod cap and spring and set aside.

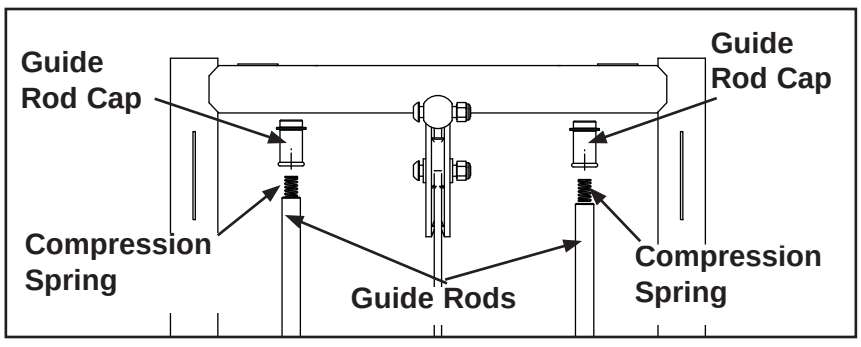


Figure 2

G. Repeat steps 6D - 6F for other guide rod.

H. Using a 3/16" pin punch and hammer, carefully remove roll pin securing cable end to top weight connector. See Figure 3.

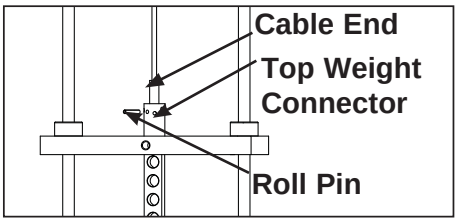


Figure 3

I. Carefully lean guide rods slightly outward. ***NOTE:*** *Excessive pressure on guide rods may damage lower guide rod caps.*

J. Slide top weight up and out of machine and carefully set aside.

K. Have an assistant hold guide rods vertical.

L. Carefully align weight plates over guide rods and slowly lower each weight plate.
NOTE: When installing weight plates, position plates so wide edges of bushings face upward and narrow edges of bushings face downward. See Figures 4a and 4b.

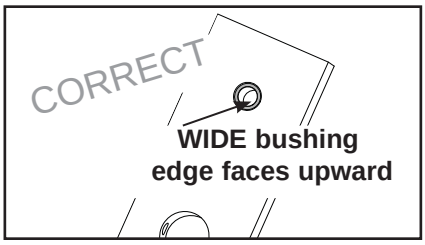


Figure 4a

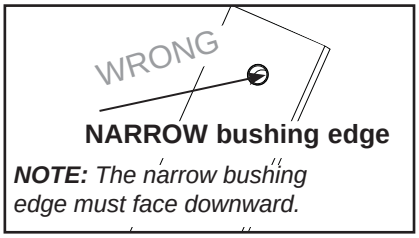


Figure 4b

M. Repeat step 6L for each weight plate.

N. Carefully slide top weight (removed in step 6J) over guide rods.

7. Install weight plate decals.

NOTE: *You have the option to use pounds, kilograms or both.*

A. Slowly and carefully peel off back side of decal. See Figure 5.
NOTE: *When peeling off back cover, make sure that the decals remain attached to the front sticker.*

B. Align holes in decal with appropriate holes in weight stack.
NOTE: *Do not allow the adhesive to touch weight stack at this time.*

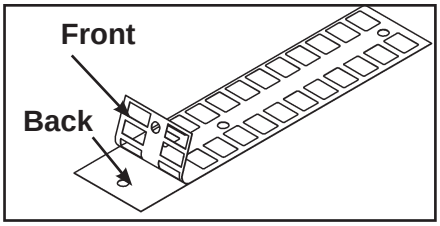


Figure 5

C. Insert a guide pin through each hole of the template. ***NOTE:*** *A guide pin can be anything that fits through the weight stack hole, such as a weight stack selector pin.*

D. Carefully align decal and rub it onto weight plates.

E. Carefully remove front side, leaving decals adhering to weight plates. See Figure 6.

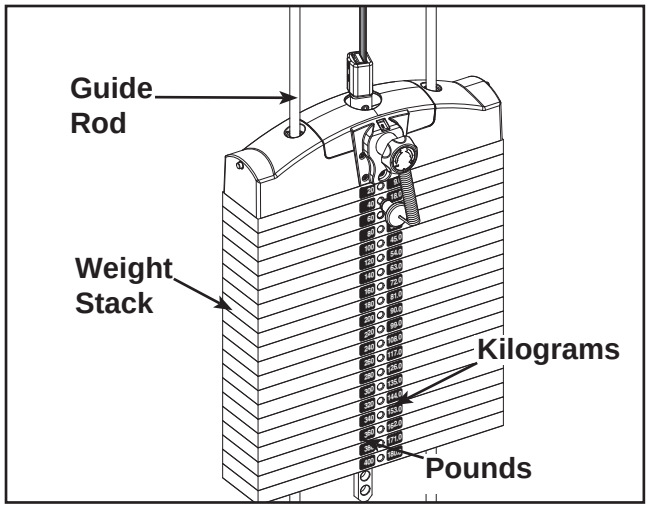


Figure 6

8. Cable routing.

A. Verify cable is routed through top of pulley bracket and then route cable end to top weight connector.

B. Pull cable tight and secure in place with roll pin removed in step 6H.

C. Place weight stack pin in each plate to verify proper installation.

D. Without selecting any resistance, lift top weight up and down (simulating normal operation).

E. Have an assistant verify that the cable is moving smoothly and is routed straight from the pulley bracket to the top of the weight plate connector.

9. Install back shrouds.

A. Carefully place shrouds into position.

B. Secure top cap in place with the two BHSCS removed in step 6A.

10. Separate Frame for 8800 (If needed to fit thru doorway).

A. Remove shipping pallet (refer to step 4).

B. Locate insert plug. See Figure 7.

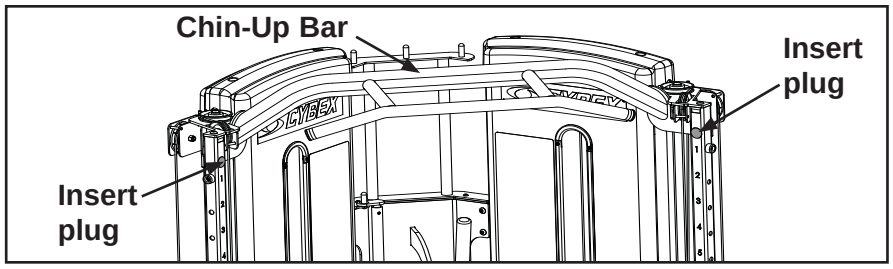


Figure 7

C. Remove insert plug to gain access to BHSCS securing Chin-Up Bar. See Figure 7. ***NOTE:*** *8810 is not shipped with Chin up bar (attached refer to step 13).*

D. Repeat step 10C for insert plug on opposite side.

E. Locate BHSCS on top of frame near pulley. See Figure 8.

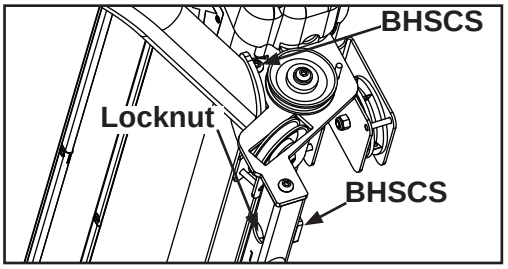


Figure 8

F. Using a 7/32" Allen wrench remove two BHSCS securing Chin-Up Bar

G. Using a 7/32" Allen wrench and socket remove two BHSCS securing Chin-Up Bar.

H. Repeat step 10E and 10F for opposite side

I. Carefully remove Chin-Up Bar and set aside.

J. With an assistant remove 4 (of 8) BHSCS securing frame halves See Figure 9.

K. Move to desired location.

L. Place both halves of frame together and tightly secure the four BHSCS removed in step 10J.

M. Place a drop of 242 Loctite on BHSCS and threaded hole removed in step 10J.

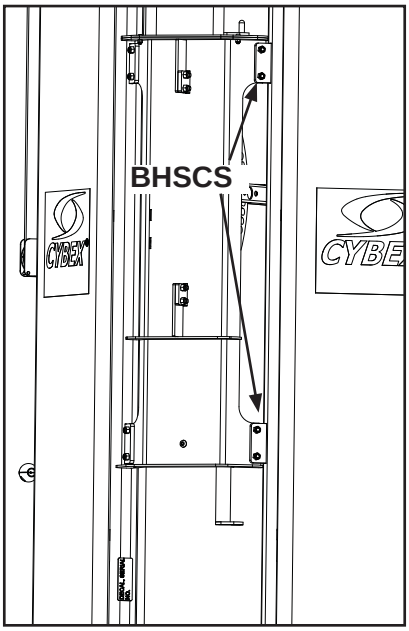


Figure 9

N. With an assistant secure Chin-Up Bar in place removed in step 10I.

O. Verify all BHSCS are securely tightened.

P. Insert plugs removed in step 10C for 8800 or from hardware pack for the 8810.

11. Install weight plates, decals, cable routing and, shroud assembly for 8800.

A. Refer to step 6A -9B for weight plates, decals, cable routing, and shroud assembly.

12. Separate Frame for 8810 (If needed to fit thru doorway.)

A. Remove shipping pallet refer to step 4.

B. Refer to steps 10J-10N

13. Install Chin Up Bar (8810 units only).

A. Locate Chin Up Bar and hardware.

B. With an assistant, align Chin Up Bar in place.

C. Place a drop of Loctite 242 on BHSCS from hardware bag and threaded holes.

D. Secure Chin Up Bar with hardware from hardware bag.

E. Verify all BHSCS are securely tightened.

F. Carefully slide top weight (removed in step 6J) over guide rods.

G. Insert plugs from hardware bag. ***NOTE:*** *Refer to step 10B for location of plugs.*

14. Install weight plates, decals, cable routing and shroud assembly for 8810.

A. Refer to step 6A -9B for weight plates, decals, cable routing, and shroud assembly.

15. Verify proper operation.

5 - Maintenance

All preventive maintenance activities must be performed on a regular basis. Performing routine preventive maintenance actions can aid in providing safe, trouble-free operation of all Cybex Strength Systems equipment.

NOTE: *Cybex is not responsible for performing regular inspection and maintenance actions for your machines. Instruct all personnel in equipment inspection and maintenance actions and also in accident reporting/recording. Cybex phone representatives are available to answer any questions or concerns that you may have.*

⚠ CAUTION

Use only Cybex replacement parts when servicing. Failure to do so could result in personal injury.

NOTE: *All inspections and repairs must be performed by trained service personnel only.*

Cybex will void warranty if non-Cybex replacement parts are used.

Daily Procedures

1. Upholstery - Wipe down all upholstery as per the recommendations listed below for light soiling and more difficult stains.

Light Soiling

- A solution of 10% household liquid soap with warm water applied with a soft damp cloth.
- If necessary, a solution of liquid cleanser and water applied with a soft bristle brush. Wipe away the residue with a water dampened cloth.

More Difficult Stains

- Dampen a soft white cloth with a solution of 10% household bleach (sodium hypochlorite), 90% water. Rub gently. Rinse with a water dampened cloth to remove bleach concentration.
- The same procedure can be used with full strength household bleach, if necessary.
- Allow bleach to puddle on the affected area or apply with a soaked cloth for approximately 30 minutes. Rinse with a water dampened cloth to remove any remaining bleach concentration.

Alternative Method for Difficult Stains

- Dampen a soft white cloth with rubbing alcohol and rub gently. Rinse with a water dampened cloth to remove any remaining rubbing alcohol concentration.

NOTE: *To restore luster, a light coat of spray furniture wax can be used. Apply for 30 seconds and follow with a light buffing using a clean white cloth.*

Please Review Carefully

When using strong cleaning agents such as rubbing alcohol or bleach, it is advisable to first test in an inconspicuous area. Other cleaning agents may contain harsh or unknown solvents and are subject to formula changes by the product manufacturer without notice. Should you desire to use other cleaning agents, carefully try them in an inconspicuous area to determine potential damage to the material. Never use harsh solvents or cleaners which are intended for industrial applications. To clean stained or soiled areas, a soft white cloth is recommended. Avoid use of paper towels.

Cleaning products may be harmful/irritating to your skin, eyes, etc. Use protective gloves and eye protection. Do not inhale or swallow any cleaning product. Protect surrounding area/clothing from exposure. Use in well ventilated area. Follow all product manufacturer's warnings. CYBEX and its vendors cannot be held responsible for damage or injuries resulting from the use or misuse of cleaning products.

2. Frames - Wipe down all frames using a mild solution of warm water and car wash soap. Be sure to dry thoroughly. ***AVOID*** acid or chlorine based cleaners and also cleaners containing abrasives as these could scratch or damage the equipment.

3. Chrome - Clean chrome tubes, first using chrome polish and then using a car wax seal. Neutral cleaners with a pH between 5.5 and 8.5 are recommended. Be sure to dry thoroughly. ***AVOID*** acid or chlorine based cleaners and also cleaners containing abrasives as these could scratch or damage the equipment.

4. Guidelines for cleaning front panel:

- Use clean soft cloths or sponges for application of cleaners and again for washing and rinsing.
- Follow up the application with warm water rinse.
- Don't use abrasives or high alkaline cleaners.
- Don't leave cleaners on for long periods, wash immediately.
- Don't apply cleaners in direct sunlight or at elevated temperatures.
- Don't use scrapers, squeegees or razors.
- Don't clean with gasoline.

Compatible Cleaners and Detergents:

- Formula 409
- Top Job
- Joy
- Palmolive
- Windex with Ammonia D

To Minimize Fine or Hairline Scratches:

Mild automotive polish applied and removed with a soft, clean cloth will help fill scratches.

Suggested Polishes:

- Johnson Past Wax
- Mirror Glaze #10 Plastic Polish (by Mirror Bright Polish Co.)
- Novus Plastics Polish #1, #2 (By Novus Inc.)

Weekly Procedures

1. Check all nuts and bolts for looseness. Tighten as required**.**

2. Inspect all cables for wear or damage and proper tension. When inspecting cables, run fingers on the cable, paying particular attention to bends in cable and attachment points.

WARNING: Replace all worn cables immediately. The following conditions may indicate a worn cable:

- A tear or crack in the cable sheath that exposes the cable. See Figure 1.

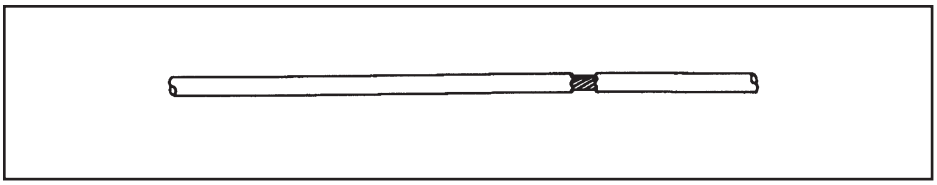


Figure 1.

- A kink in the cable. See Figure 2.

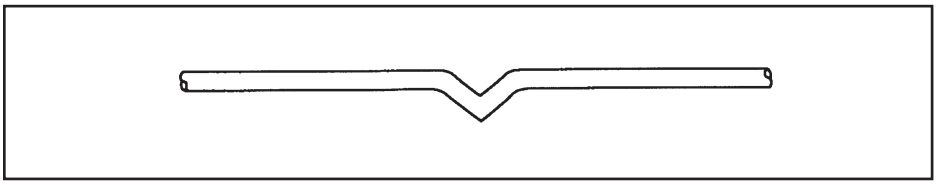


Figure 2.

- A curled sheath. See Figure 3.

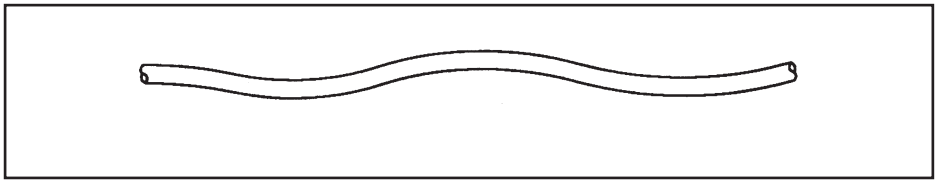


Figure 3.

- "Necking", a stretched cable sheath. See Figure 4.

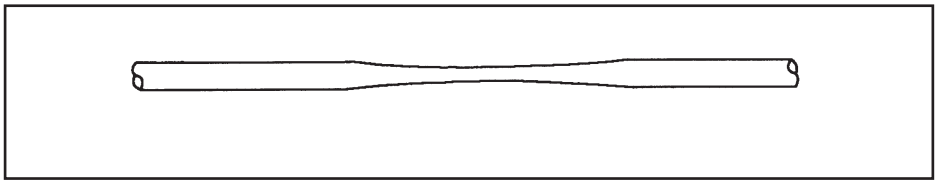


Figure 4.

3. Inspect bars and handles for wear, paying particular attention to tab area connection points.

Replace all worn handles immediately.

CAUTION: Replace all worn handles immediately. Do not use if less than 1/8" of material remains to the edge. See Figure 5.

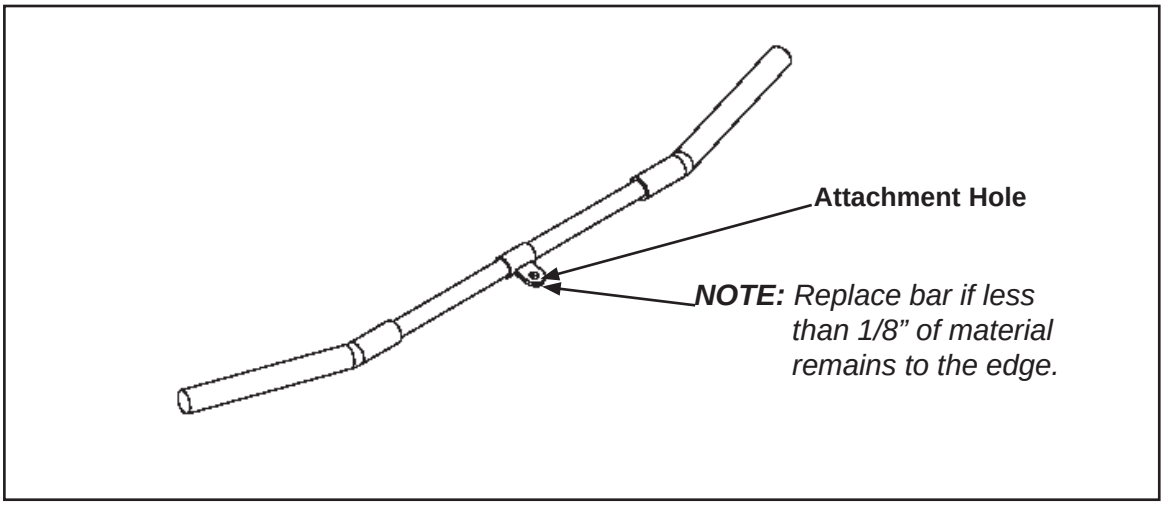


Figure 5

4. Inspect snap links for proper latching (indicates wear)

Replace all worn snap links immediately.

5. Inspect for loose or worn grips.

Replace all loose or worn grips immediately.

6. Inspect all labeling for readability. This includes instructional placards, warning and caution decals.

Replace all worn labeling immediately.

7. Inspect all weight stacks for proper alignment and operation.

Correct all improper alignment and operation issues immediately.

8. Wipe Weight Stack Guide Rods clean over entire length. Lubricate with a light coat of medium weight automotive engine oil.

Yearly Procedures

1. Replace all cables at least annually.

Cable Adjustment

Three types of cable tension adjustment are used on Cybex Strength Systems:

1. ***Jam Nut Adjustment -*** This type uses a jam nut and a tension adjustment nut at the cable cam end as the primary adjustment. The other end of the cable usually contains a roll pin adjustment. See Figures 6 and 7.

2. ***Rod End Adjustment -*** This type of adjustment contains a socket head cap screw (SHCS) securing a cable rod end bearing to the machine. Primary adjustment is by turning the rod end bearing. The other end of the cable usually contains a roll pin cable adjustment. See Figures 7 and 8.

3. ***Roll Pin Adjustment -*** This type of adjustment utilizes a roll pin and series of holes in the weight stack top weight connector. See Figure 8.

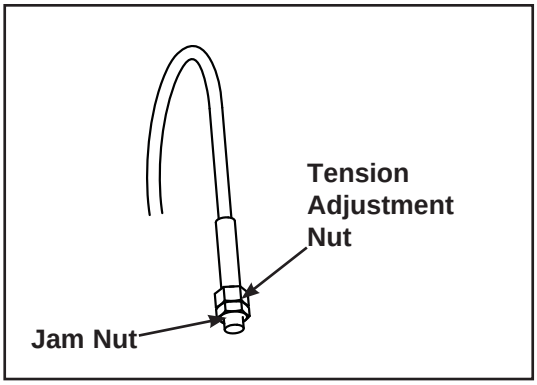


Figure 6

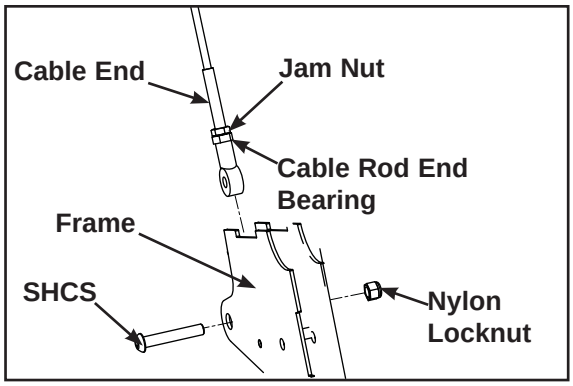


Figure 7

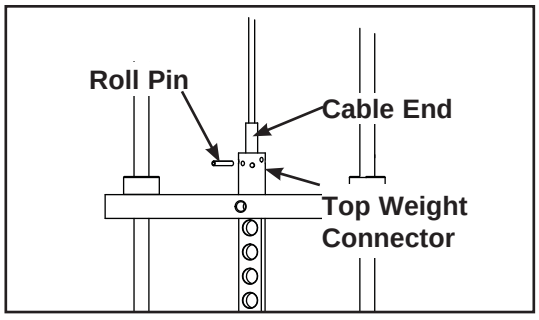


Figure 8

Environment

Humidity and Static Electricity
The unit is designed to function normally in an environment with a relative humidity range of 30% to 75%. The unit can be shipped and stored in a relative humidity range of 10% to 90%.

Climatic dry air may cause static electricity. During workout, user may experience a shock due to build-up of static electricity on the body and the discharge path of the unit. If static electricity is experienced, increase humidity to a comfortable level through the use of a humidifier.

NOTE: *Do not install or use the unit in an area of high humidity, such as in the vicinity of a steam room, sauna, indoor pool or outdoors. Exposure to extensive water vapor, chlorine and/or bromine could adversely affect parts of the machine.*

Temperature - The unit is designed to function normally in an environment with an ambient temperature range of 50˚ F (10˚ C) to 104˚ F(40˚ C) degrees.

Storage

Humidity - The unit can be shipped and stored in an environment with a relative humidity range of 10% to 90%.

NOTE: *Do not store the unit in an area of high humidity, such as in the vicinity of a steam room, sauna, indoor pool or outdoors. Exposure to extensive water vapor, chlorine and/or bromine could adversely affect the electronics as well as other parts of the machine.*

Temperature - The unit can be shipped and stored in an environment with an ambient temperature range of 32˚ F (0˚ C) and 140 F (60˚ C) degrees.

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6 - Service

Please refer to the next several pages for parts lists, exploded-view diagrams and cable routing diagrams.

⚠ CAUTION

Use only Cybex replacement parts when servicing. Failure to do so could result in personal injury.

Cybex will void warranty if non-Cybex replacement parts are used.

NOTE: *All inspections and repairs must be performed by trained service personnel only.*

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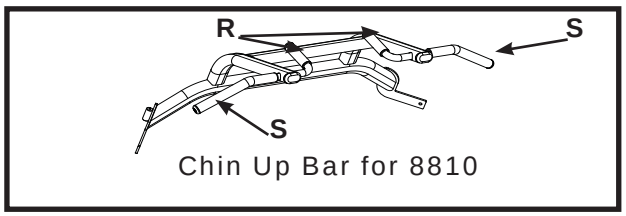
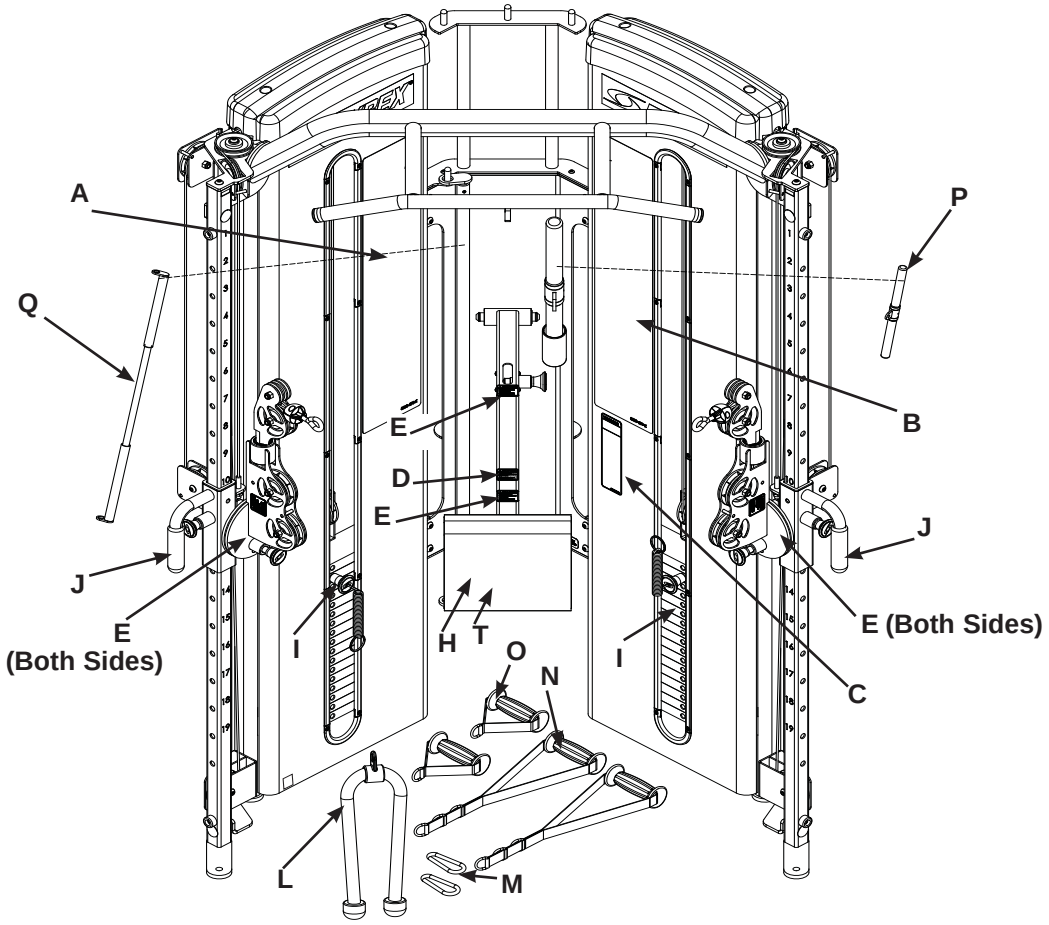
Functional Trainer

PRODUCT NO. 8800, 8810



Chin Up Bar for 8810



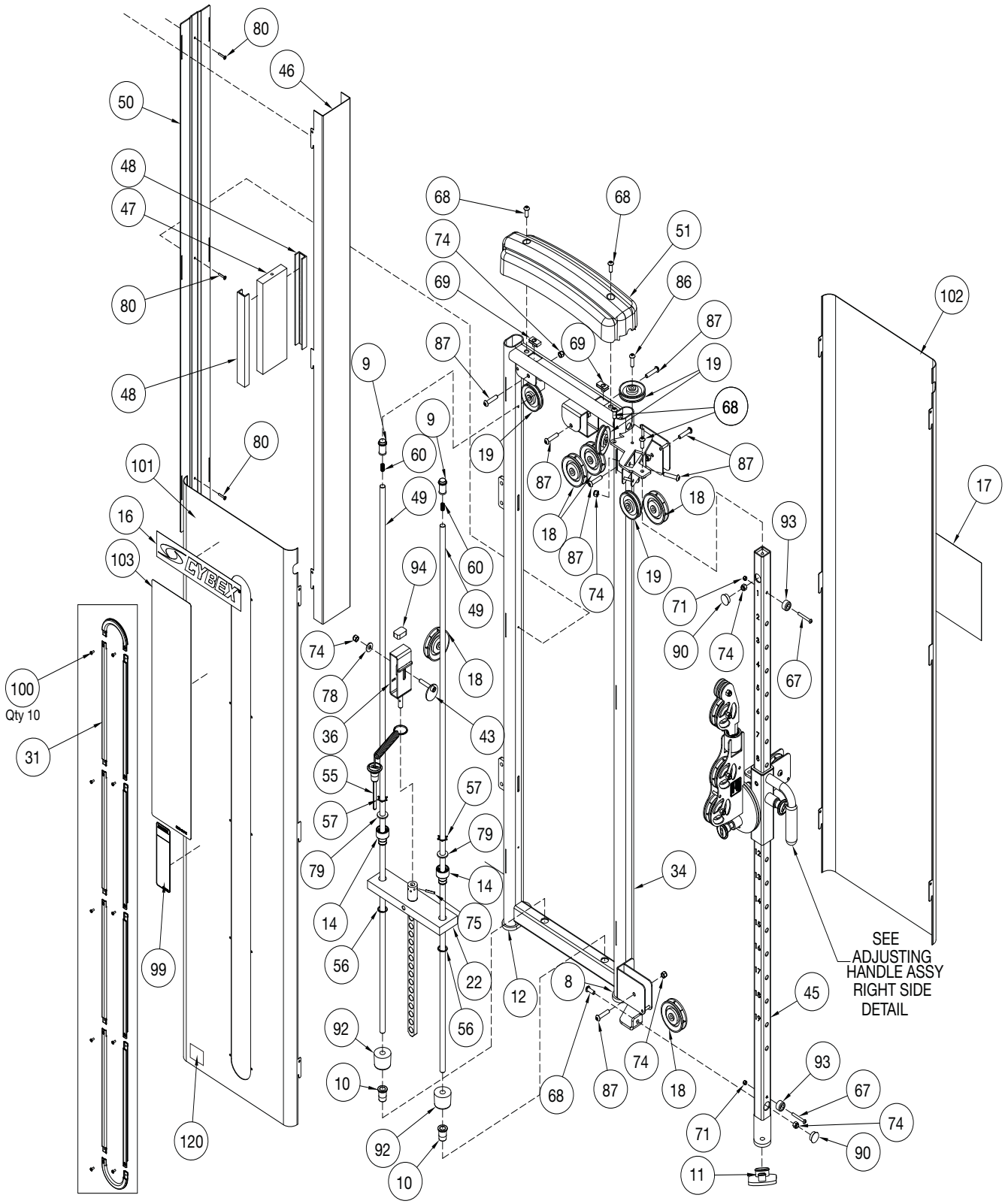
NOTE: *See exploded-view diagram for location of F (cable Left Side), G (cable Right Side) and K (serial number decal)*

	DESCRIPTION	PART NO.
A.	Placard Decal	8800-598-x
B.	Placard Decal	8800-599-x
C.	Warning Decal	4605-381-x
D.	Caution Decal.....	8000-442-x
E.	Caution Decal.....	8500-025-x
F.	Cable Left Side.....	8800-002
G.	Cable Right Side.....	8800-003
H.	Cushion Set/wear cover.....	4800-404
I.	Weight Selector Pin.....	BH030207
J.	Grip	4800-700

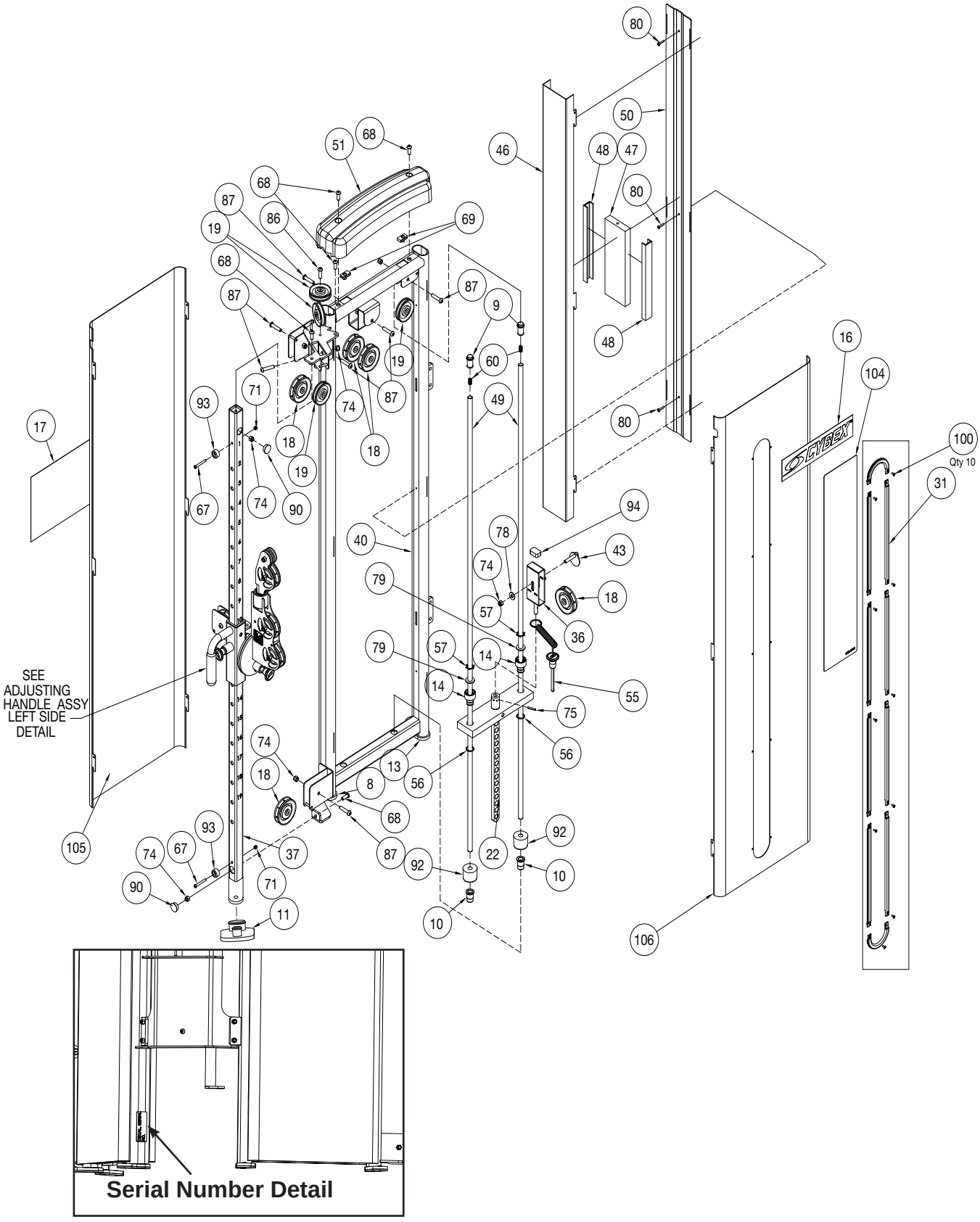
	DESCRIPTION	PART NO.
K.	Serial Number Decal	
L.	Rope Handle.....	8800-433
M.	Snap Link.....	GQ000206
N.	Handle Assembly.....	8800-007
O.	Handle Assembly.....	8800-008
P.	Straight Handle Assembly..	02203
Q.	Lat Bar Assembly.....	8800-009
R.	Grip	4605-514
S.	Grip	4605-522
T.	Wear Cover.....	4800-407

ITEM	QTY	PART NO.	DESCRIPTION
1	4	02106	HALF WEIGHT PEG
2	1	02203	STRAIGHT HANDLE ASSEMBLY
3	1	08007	WASHER, NYLON .515 ID x 1.000 OD x .062 THK
4	3	08229	PIN,DETENT
5	6	11040-440	KNOB
6	1	12040-357	PIN, DETENT
7	1	12060-347	PIVOT PIN
8	2	12090-322	FOOT PAD
9	4	12210-347	GUIDE ROD CAP
10	4	12210-348	GUIDE ROD CAP
11	2	13000-353	FOOT PAD
12	1	13000-354	FOOT PAD
13	1	13000-355	FOOT PAD
14	4	13000-364	BEARING, FLANGE .62 ID. x .92 OD. x 1.75 LG
15	2	16080-312	DETENT PIN
16	2	3900-434	DECAL, CYBEX
17	2	3900-438	DECAL, CYBEX
18	18	4400-354	PULLEY
19	8	4400-355	PULLEY
20	1	4505-331	BUMPER, 1.50 DIA
21	2	4605-512	INSERT PLASTIC, 7.94
22	2	4800-263	C TOP WT 17-3X12
23	2	4800-700	GRIP, 4.75 FOAM
24	1	51122	ANKLE STRAP
25	1	51198	WARRANTY BOOK (NOT SHOWN)
26	2	8800-002	CABLE S/A LEFT SIDE
27	2	8800-003	CABLE S/A RIGHT SIDE
28	1	8800-009	LAT BAR ASSEMBLY
29	2	8800-007	HANDLE ASSEMBLY
30	2	8800-008	HANDLE ASSEMBLY
31	2	8800-100	EDGE TRIM ASSEMBLY
32	1	8800-200	FRAME
33	1	8800-202	ADJUSTING HANDLE RH
34	1	8800-203	WEIGHT FRAME RH
35	1	8800-205	ADJUSTING HANDLE LH
36	2	8800-206	PULLEY MOUNT
37	1	8800-207	DETENT POST LH
38	1	8800-208	CUSHION POST
39	1	8800-209	ARM
40	1	8800-212	WEIGHT FRAME LH
41	2	8800-215	PIVOT
42	2	8800-216	PULLEY SWIVEL
43	2	8800-218	CAM BOLT
44	1	8800-223	RACK
45	1	8800-224	DETENT POST RH
46	2	8800-333	FORMED WEIGHT CHANNEL
47	2	8800-335	COUNTERWEIGHT
48	4	8800-339	U-BUMPER
49	4	8800-343	WT ROD .625 DIA X 69.38
50	2	8800-350	FORMED GUIDE
51	2	8800-353	MOLDED TOP CAP
52	1	8800-388	DETENT PLATE
53	2	8800-444	WEAR BLOCK
54	1	8800-433	HANDLE, ROPE
55	2	BH030207	PIN, WEIGHT SELECTOR
56	4	BR030206	RING, RETAINING
57	4	BR030220	RETAINING RING 1.250 INTERNAL
58	2	BR030223	EXTERNAL RETAINING RING, 25 MM
59	6	BS070201	COM SPRING .56 x .66 1.50 LG
60	4	BS070208	COMPRESSION SPRING
61	1	CM000211	DECAL, PATENT PENDING
62	4	FB030255	BEARING RADIAL 25MM
63	4	FB050226	BEARING,FLANGE 1.000 ID x 1.25 OD x 1.00 LG
64	2	FB130212	BUSHING, FLANGE .75 ID x .875 OD x .75 LG
65	4	FC030010	TOLERANCE RING 1.457 ID
66	2	GQ000206	SNAP LINK
67	4	HC620431	BHSCS .250-20 X 2.00
68	20	HC700417	BHSCS .375-16 X 1.00
69	4	HF700000	PANEL FASTNER, .375-16 , U TYPE
70	N/A	HM580410	BHSCS .190 10-32 X .375 REMOVED 3/19/2010
71	6	HN625200	LOCKNUT, .250-20 NYLON
72	4	HN704000	HEX NUT .375-16
73	6	HN704400	NUT, HEX JAM .375-16
74	42	HN704901	LOCKNUT, .375-16 NYLON
75	2	HP286819	SPIRAL PIN .188 X 1.12
76	4	HS308300	SPLIT LOCKWASHER .250
77	2	HS347600	WASHER, SAE .375
78	2	HS347700	WASHER, USS .375
79	4	HS720004	WASHER, FELT .641 ID X 1.250 OD X .125T
80	6	HT512517	TAP SC 10-24 X 1.00 TYPE WB PN HD PHIL BLK
81	2	HW-60159	WASHER, SHIM
82	2	HX-60074	RING, SNAP, EXTERNAL
83	4	HT552511	SREW,TAP 8-16 X.38
84	6	JC620415	BHSCS .250-20 X .75
85	3	JC700412	BHSCS .375-16 X .50
86	8	JC700420	BHSCS .375-16 X 1.25
87	24	JC700424	BHSCS .375-16 X 1.75
88	1	JC702812	SHCS .375-16 X .50
89	2	JS347400	LOCKWASHER, INT TOOTH .375
90	4	PN660200	INSERT, PLASTIC 1.00 DIA-11 GA
91	N/A	PP040004	BALL STOP REMOVED 3/19/2010
92	4	PR060005	BUMPER, WEIGHT
93	4	PR069400	BUMPER, RECESS
94	2	PU060201	BUMPER
95	2	PW-60615	PULLEY, CABLE, 2.00 OD x 1.0 HUB
96	6	8500-025-X*	DECAL, CAUTION
97	1	8800-442-X*	DECAL, CAUTION
98	1	4800-404	CUSHION SET/W WEAR COVER
99	1	4605-381-X*	DECAL, WARNING
100	20	HT552511	TAP SC 8-16X.38 BLK
101	1	8800-351-9	FRONT PANEL (RIGHT SIDE)
102	1	8800-352-9	BACK PANEL (RIGHT SIDE)
103	1	8800-599-X*	PLACARD
104	1	8800-598-X*	PLACARD
105	1	8800-382-9	BACK PANEL (LEFT SIDE)
106	1	8800-380-9	FRONT PANEL (LEFT SIDE)
107	1	8800-230	CROSS TUBE
108	2	4605-522	GRIP
109	4	4605-550	PLUG .250-20
110	2	PP130003	INSERT, PLASTIC
111	1	8810-101	BAR, CHIN UP ASSEMBLY
112	2	4605-514	GRIP
113	1	4800-407	WEAR COVER
114	2	JC782817	SHCS .500-13 X 1.00 BRT ZINC
115	2	PP080230	PLASTIC INSERT
116	1	8800-228	CHIN-UP BAR
117	8	HF449063	INSERT, .75 X .250-20
118	1	8800-458	PIVOT DECAL RIGHT HAND
119	1	8800-459	PIVOT DECAL LEFT HAND
NS	2	4800-557	DECAL WT-PLATE (10-150)
NS	2	13000-551	DECAL WT-PLATE (160-200)
NS	1	8800-999-X*	OPERATOR MANUAL
120	1	11040-790	DECAL, MADE IN USA

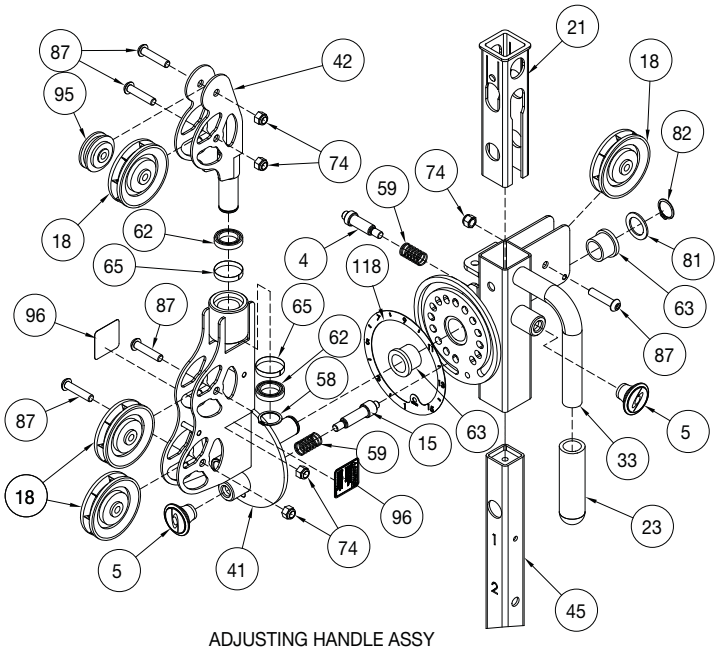
RIGHT FRAME ASSEMBLY DETAIL



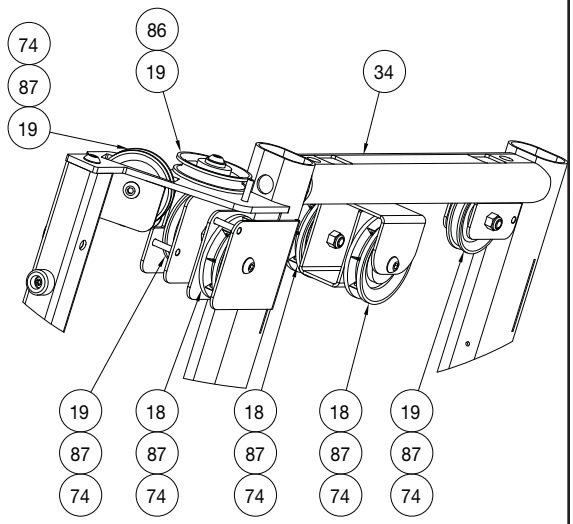
LEFT FRAME ASSEMBLY DETAIL



HANDLE AND PULLEY ASSEMBLY DETAIL

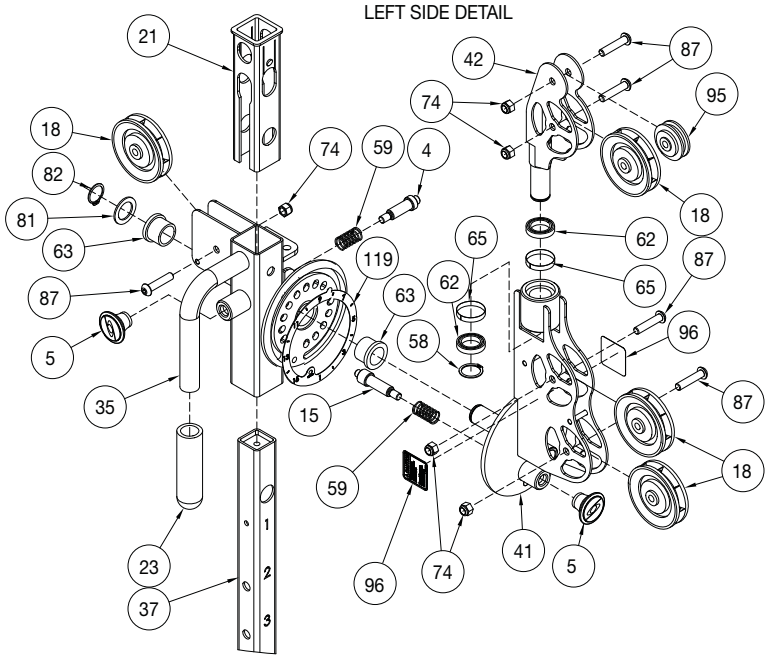


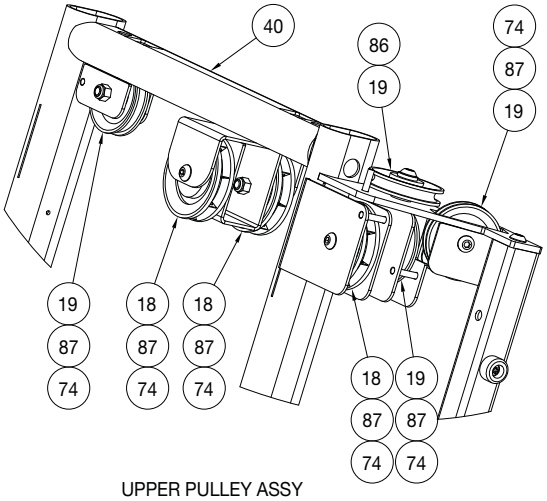
ADJUSTING HANDLE ASSY
RIGHT SIDE DETAIL



UPPER PULLEY ASSY
RIGHT SIDE DETAIL

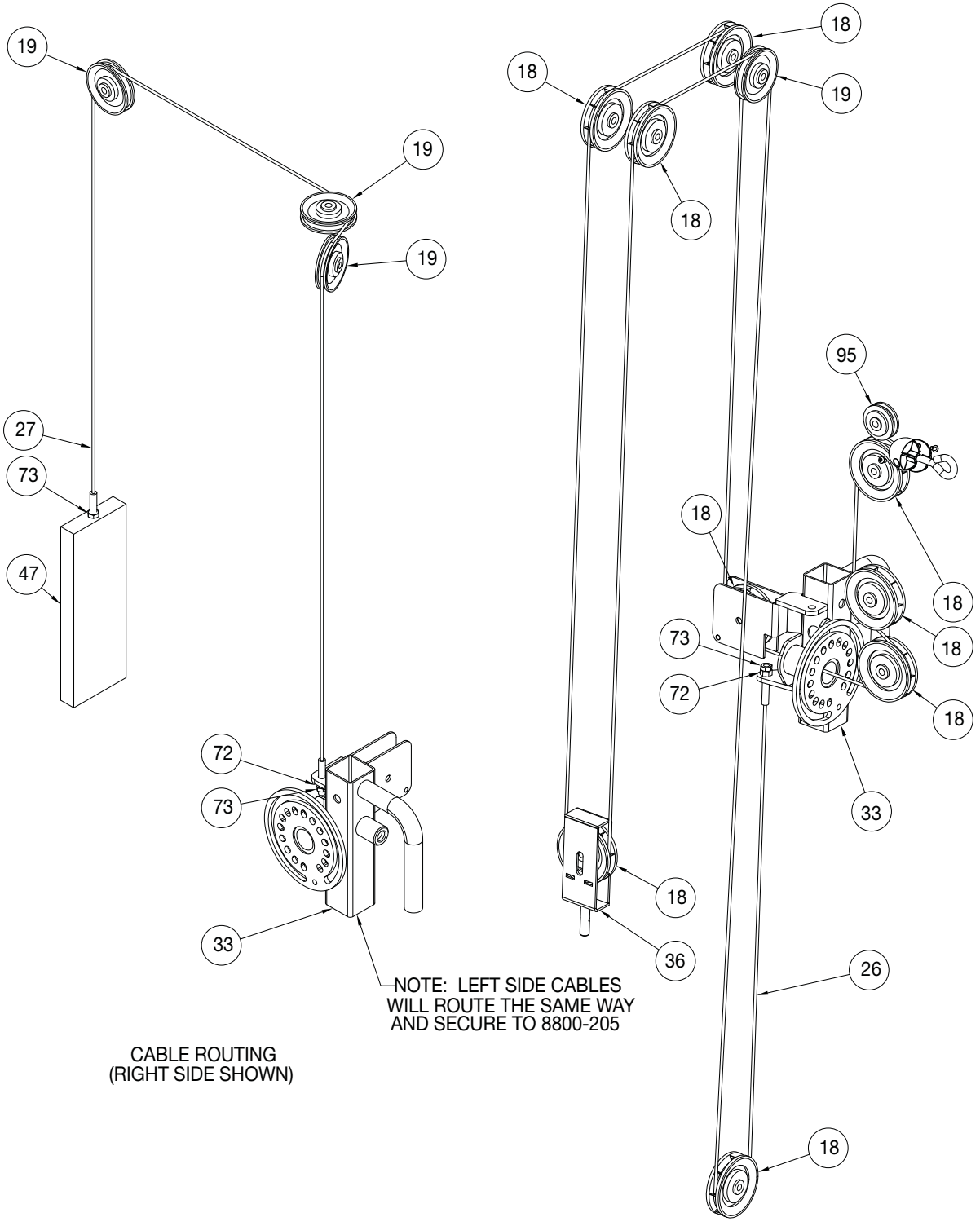
ADJUSTING HANDLE ASSY
LEFT SIDE DETAIL





UPPER PULLEY ASSY
LEFT SIDE DETAIL

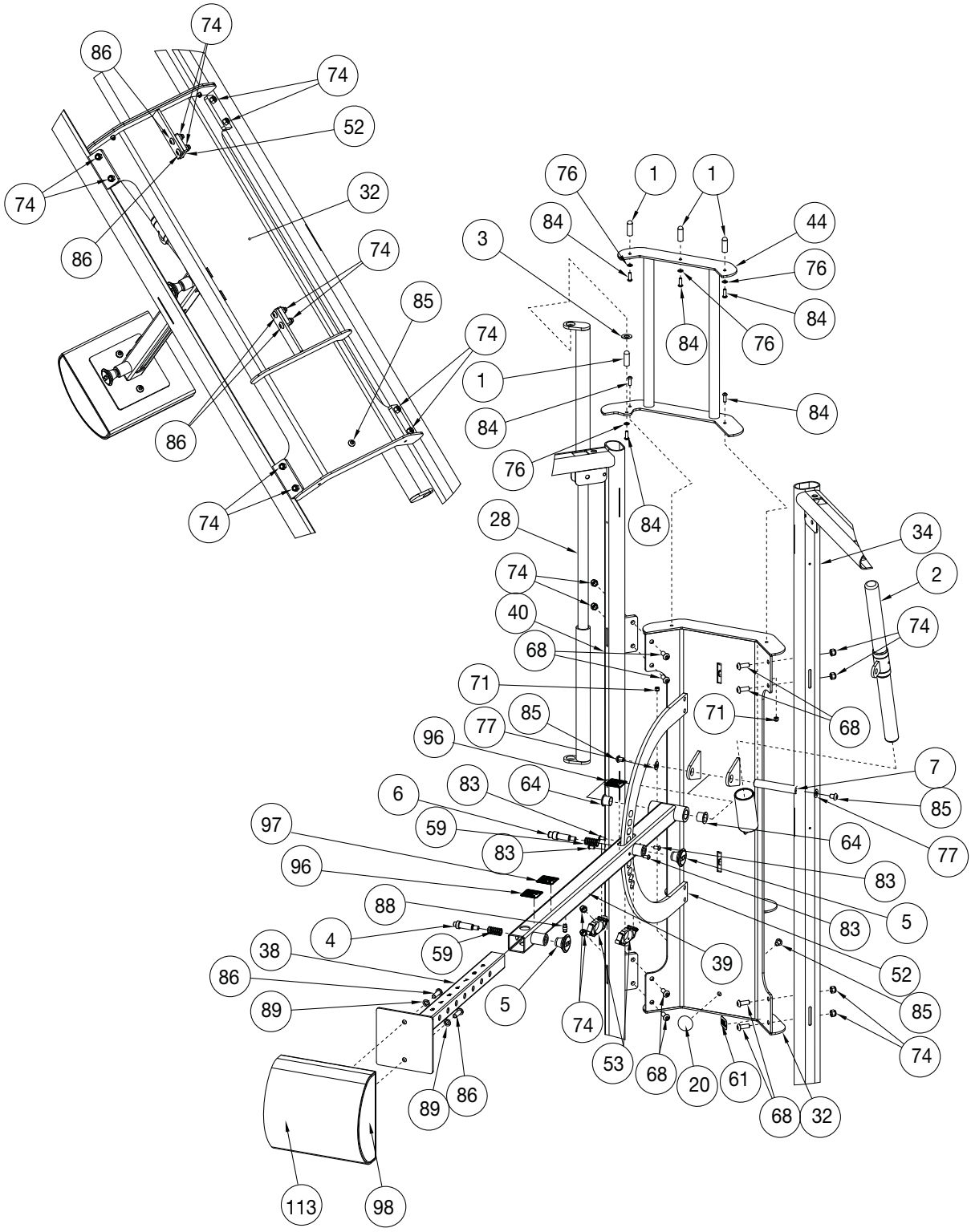
CABLE ASSEMBLY DETAIL



NOTE: LEFT SIDE CABLES WILL ROUTE THE SAME WAY AND SECURE TO 8800-205

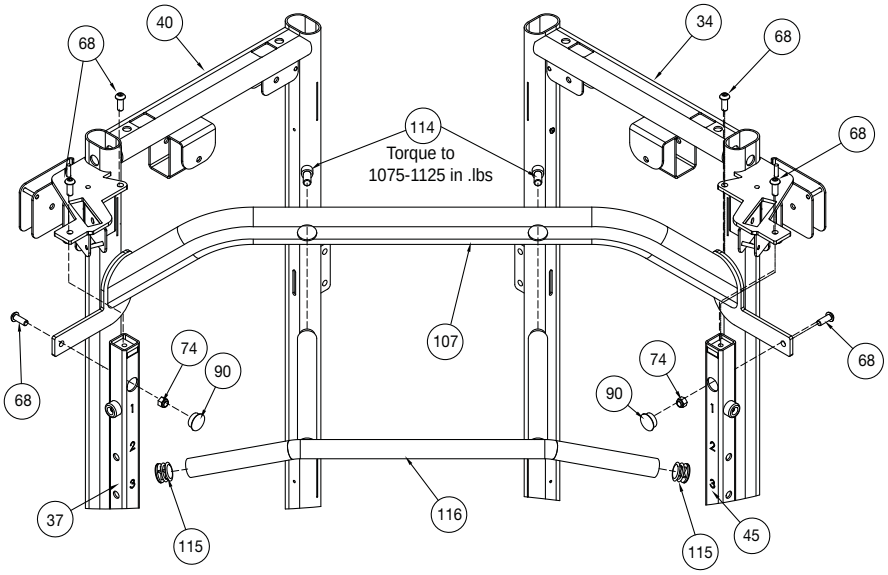
CABLE ROUTING
(RIGHT SIDE SHOWN)

STABILIZATION ARM ASSEMBLY DETAIL

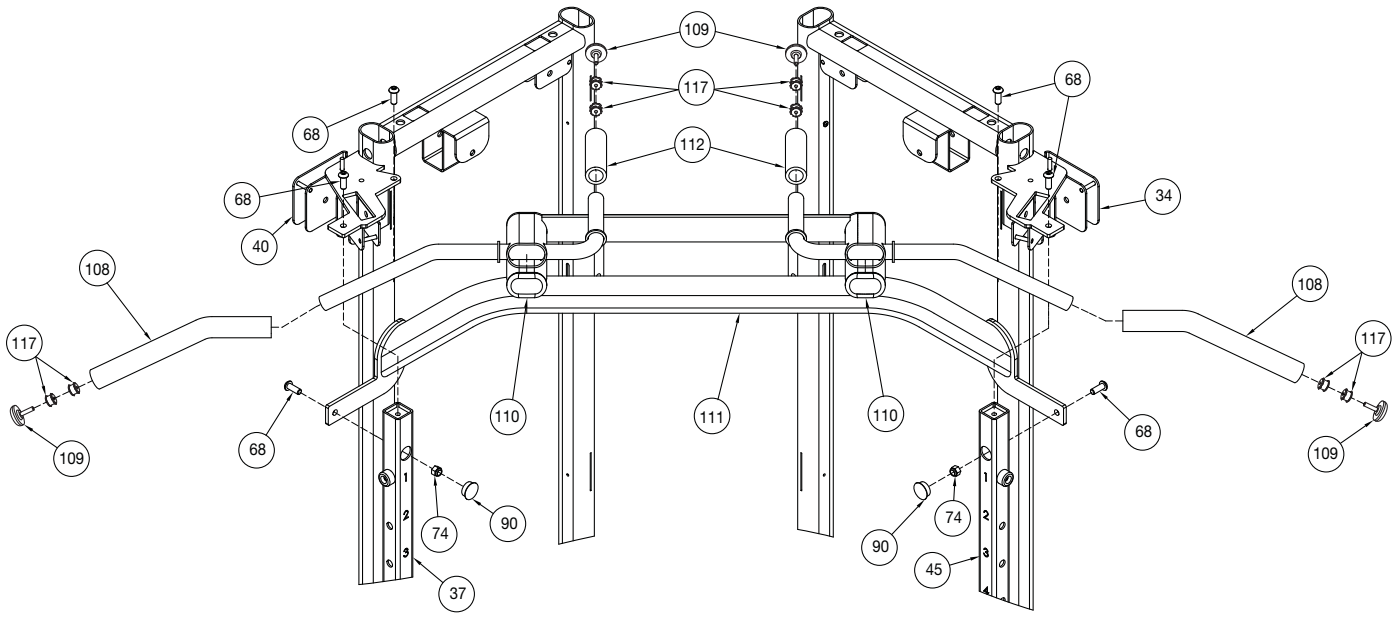


CROSS TUBE AND CHIN UP BAR DETAIL

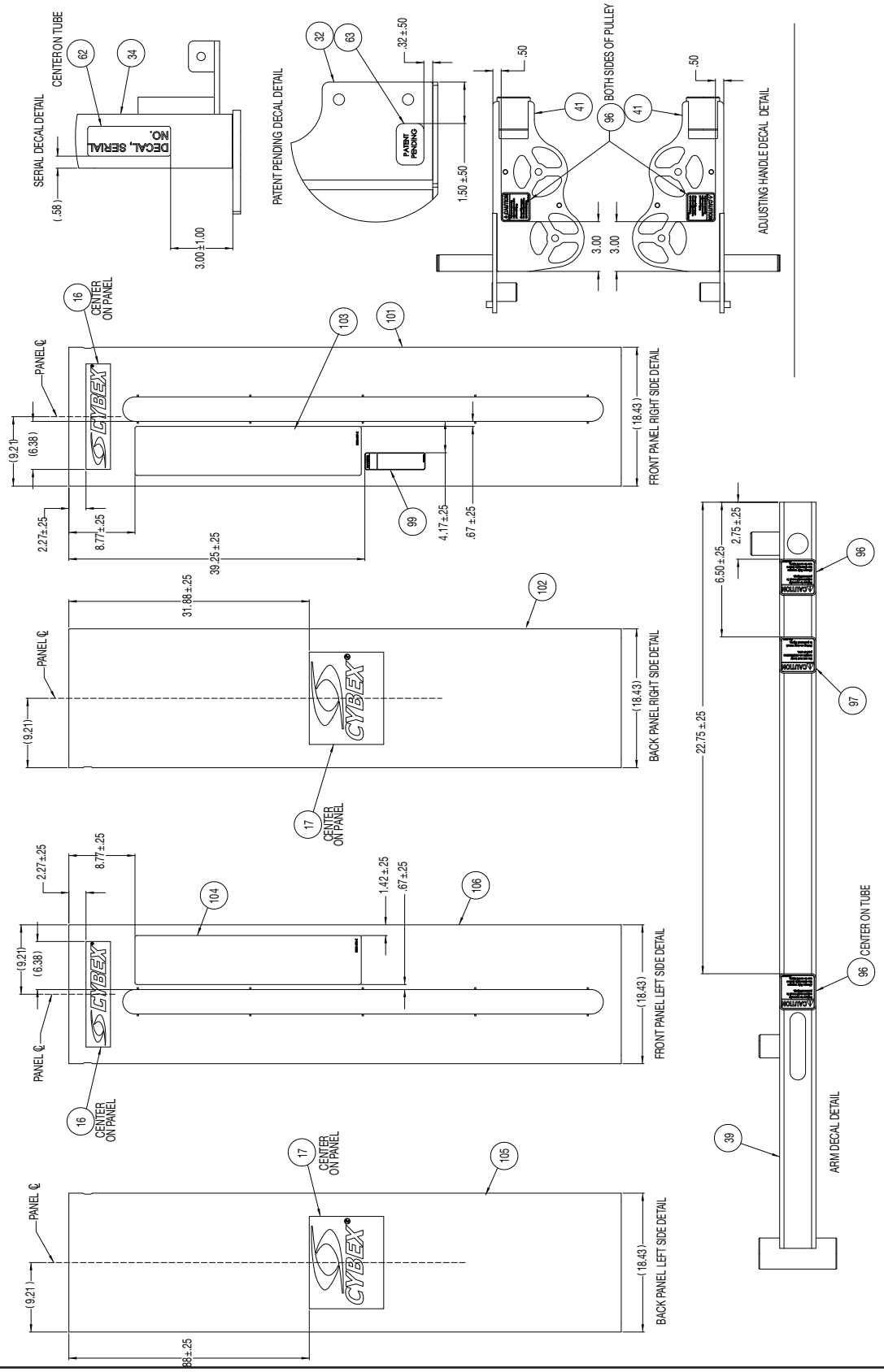
8800 CROSS TUBE DETAIL



8810 CHIN UP BAR DETAIL (CHIN UP BAR ASSEMBLED IS PART NUMBER 8810-101)



DECAL PLACEMENT DETAIL



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